**PRACTICAL-11**

**IMPLEMENTATION OF SEMAPHORES FOR CONCURRENCY.**

main()

{ int a,b,s;

clrscr();

printf(" Enter Initial Value for Semaphore ");

scanf("%d",&s);

if(s==0)

{ printf("No Wakeups Saved");

getch();

exit(0);

}

do

{

printf("\n\t\t1.Wait\n\t\t2.Signal\n\t\t3.Exit\n\t Enter Option ");

scanf("%d",&a);

switch(a)

{ case 1: /\* Wait \*/

s--;

clrscr();

if(s==0)

{ printf("No More Wakeups Saved");

getch();

exit(0);

}

else

{ printf("WAIT OPERATION PERFORMED SUCCESSFULLY");

printf("\nCurrent Semaphore :- %d",s);

}

break;

case 2: /\* SIGNAL \*/

s++;

clrscr();

printf("SIGNAL OPERATION PERFORMED SUCCESSFULLY");

printf("\nCurrent Semaphore :- %d",s);

break;

case 3: /\* EXIT \*/

exit(0);

default : printf("\nERROR INPUT");

}

}while(1);

}